

#4



SEQUENCE LISTING

79000

<110> Koren, Eugen
Lowe, John Hok Nin

<120> IDENTIFICATION AND MODIFICATION OF IMMUNODOMINANT EPITOPES IN
POLYPEPTIDES

<130> 11669.72US01

<140> US 09/872,702

<141> 2001-06-01

<150> US 60/243,913

<151> 2000-10-27

<160> 13

<170> PatentIn version 3.1

<210> 1

<211> 15

<212> PRT

<213> Homo sapiens

<400> 1

Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu Gly
1 5 10 15

<210> 2

<211> 20

<212> PRT

<213> Homo sapiens

<400> 2

Thr Pro Thr Ser Pro Leu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn
1 5 10 15

Leu Ser Gln Glu
20

<210> 3

<211> 17

<212> PRT

<213> Homo sapiens

<400> 3

Arg Ala Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu
1 5 10 15

Thr

<210> 4
<211> 16
<212> PRT
<213> Homo sapiens

<400> 4

Pro Asn Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr Ala Ser Ala
1 5 10 15

<210> 5
<211> 17
<212> PRT
<213> Homo sapiens

<400> 5

Ser Gly Leu Leu Lys Trp Gln Gln Gly Phe Arg Ala Lys Ile Pro Gly
1 5 10 15

Leu

<210> 6
<211> 17
<212> PRT
<213> Homo sapiens

<400> 6

Ser Leu Asp Gln Ile Pro Gly Tyr Leu Asn Arg Ile His Glu Leu Leu
1 5 10 15

Asn

<210> 7
<211> 16
<212> PRT
<213> Homo sapiens

<400> 7

Ser Arg Arg Thr Leu Gly Ala Pro Asp Ile Ser Ser Gly Thr Ser Asp
1 5 10 15

<210> 8
<211> 11
<212> PRT
<213> Homo sapiens

<400> 8

Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu Gln
 1 5 10

<210> 9
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 9

Gln Pro Gly Tyr Ser Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr
 1 5 10 15

<210> 10
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 10

Val Val Gln Leu His Pro Leu Leu Pro Asp Pro Ser Ala Pro Thr Pro
 1 5 10 15

<210> 11
 <211> 31
 <212> DNA
 <213> Homo sapiens

<400> 11
 atcgatatcg atagccagac accccggcca g 31

<210> 12
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 12
 agtcgacgtc gacgtcggca gtgtctgaga acc 33

<210> 13
 <211> 353
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> (1)..(21)
 <223>

<400> 13

Met Glu Leu Thr Glu Leu Leu Leu Val Val Met Leu Leu Leu Thr Ala
 1 5 10 15

Arg Leu Thr Leu Ser Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val
20 25 30

Leu Ser Lys Leu Leu Arg Asp Ser His Val Leu His Ser Arg Leu Ser
35 40 45

Gln Cys Pro Glu Val His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala
50 55 60

Val Asp Phe Ser Leu Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys
65 70 75 80

Ala Gln Asp Ile Leu Gly Ala Val Thr Leu Leu Leu Glu Gly Val Met
85 90 95

Ala Ala Arg Gly Gln Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly
100 105 110

Gln Leu Ser Gly Gln Val Arg Leu Leu Leu Gly Ala Leu Gln Ser Leu
115 120 125

Leu Gly Thr Gln Leu Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp
130 135 140

Pro Asn Ala Ile Phe Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val
145 150 155 160

Arg Phe Leu Met Leu Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala
165 170 175

Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu Thr Leu
180 185 190

Asn Glu Leu Pro Asn Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr
195 200 205

Ala Ser Ala Arg Thr Thr Gly Ser Gly Leu Leu Lys Trp Gln Gln Gly
210 215 220

Phe Arg Ala Lys Ile Pro Gly Leu Leu Asn Gln Thr Ser Arg Ser Leu
225 230 235 240

Asp Gln Ile Pro Gly Tyr Leu Asn Arg Ile His Glu Leu Leu Asn Gly
245 250 255

Thr Arg Gly Leu Phe Pro Gly Pro Ser Arg Arg Thr Leu Gly Ala Pro
260 265 270

Asp Ile Ser Ser Gly Thr Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu
275 280 285

Gln Pro Gly Tyr Ser Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr
290 295 300

Thr Leu Phe Pro Leu Pro Pro Thr Leu Pro Thr Pro Val Val Gln Leu
305 310 315 320

His Pro Leu Leu Pro Asp Pro Ser Ala Pro Thr Pro Thr Pro Thr Ser
325 330 335

Pro Leu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu
340 345 350

Gly
